

## European Solar and Energy Storage Solutions

# Poweroptimal elon 100 price Tuvalu



Single group (5 KWH)



Wall mounting display



Stack installation display



Cabinet and rack installation display



## Overview

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What is poweroptimal Elon ® 100?

The innovative PowerOptimal Elon ® 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimized solar power use in a single compact unit.

Does Elon 100 include a geyser?

Geyser not included. The innovative PowerOptimal Elon 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimised solar power use in a single compact unit. This kit is suitable for a 3 to 4 person household - 150 - 200ltr geyser.

How does the poweroptimal Elon ® work?

The PowerOptimal Elon ® operates on a very simple principle: it enables direct current (DC) electricity produced by solar PV modules to be used directly for water heating using a standard electric geyser with alternating current (AC) heating element and AC thermostat. The Elon can run completely off-grid, or with grid AC power as backup.

Does power optimal supply elon100?

Power Optimal supply our customers with the Elon100. All of our customers are extremely pleased with the result of the Elon system, where they had reductions in their electricity bills and hot water even during cold winter days. I highly recommend the Elon100 to installers and customers. Great product and great support from the guys at PowerOptimal.

Are you saving money with the Elon 100?

Thank you Piet for your feedback. We are happy to hear that you are saving money with the Elon 100! Power Optimal supply our customers with the

Elon100. All of our customers are extremely pleased with the result of the Elon system, where they had reductions in their electricity bills and hot water even during cold winter days.

Is elon100 a good product?

I live in Durbanville, Cape Town and have used the Elon100 since Feb 2021. It is a wonderful product and even though we have overcast winters and shorter days, I still save 50% of the electricity during the year, compared to before the installation of the Elon100. It is a wonderful product and it is maintenance free. I highly recommend it.

## PowerOptimal elon 100 price Tuvalu

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### Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion

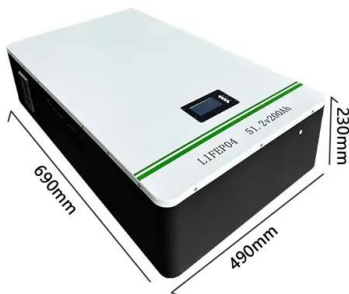


### About us

Elon Smart basic user guide video (4:22) Elon Smart Installation Training Course (18:00) Elon Smart troubleshooting guide video (3:05) Elon 100 Basic Online Training Course (44:00) Elon 100 Installation Training Course (18:06) Elon 100 user instructions video (8:13) Elon 100 training videos for electricians (7:26)

## PowerOptimal Elon 100 Installation and User Manual

Elon 100. The Elon 100 is connected to the geyser element and thermostat. When the solar modules are producing electricity, the Elon 100 feeds this into the geyser element to heat water, until the water reaches the temperature setting on the thermostat. Depending on the Elon 100 efficiency setting (see Section 3.3) or when the user presses the



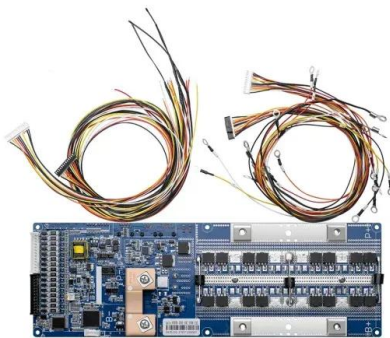
### Elon® Range

The Elon ® 100 - solar PV water heating. The innovative PowerOptimal Elon ® 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and ...

## Products

The innovative PowerOptimal Elon® 100

incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimised solar power use in a single compact unit.



## Elon optimal

The innovative PowerOptimal Elon ® 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimized solar power use in a single compact unit.. The system can be connected to the grid (AC mains) as well, and intelligently switches between ...

## Elon 100 control box

Elon 100 control box R 7,239.00 The innovative PowerOptimal Elon 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimised solar power use in a single compact unit.



## INTRODUCING THE PowerOptimal Elon® 100

Document Version: 2.16 info@poweroptimal  
 Directors: RA Fearon, FS Moolman, JJ Theron, DM Weber (Independent), IR Jandrell (Independent)  
 Company registration number: 2012/099947/07  
 PO Box 5, Kleinmond, 7195 INTRODUCING THE PowerOptimal Elon® 100



## Elon optimal

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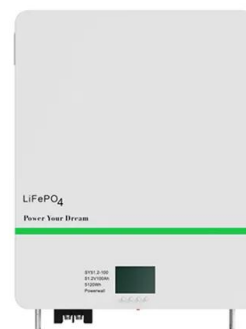


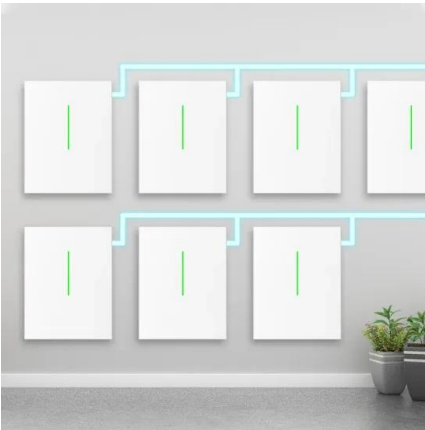
## PowerOptimal Reviews , 5.9 TrustIndex , Hellopeter

PowerOptimal is an award-winning company dedicated to delivering affordable, reliable, and sustainable energy solutions to households and businesses across Africa. Leveraging innovative technology, such as the Elon® 100 solar PV water heating system,

## ELON ELON

The innovative and patented PowerOptimal Elon® breaks the mould in bringing solar PV (photovoltaic) and water heating together in the most cost-effective package ever. Meeting national building regulations on water heating is now made easy with the PowerOptimal Elon®. With competitive capital cost, very long lifetimes



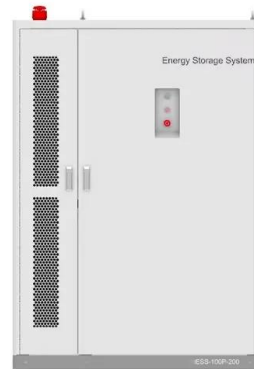


## PowerOptimal Elon 100 Performance Info

PowerOptimal Elon 100 Performance Info Version 1.2 E info@poweroptimal W Directors: RA Fearon, FS Moolman, JJ Theron, DM Weber (Independent), IR Jandrell (Independent) Company registration number: 2012/099947/07 PO Box 39521, Capricorn Square, Cape Town, 7948 1. Background

## Elon Water PV Heating Solutions (Installation Inc)

The PowerOptimal Elon® 100 is a groundbreaking solar water heating solution that integrates photovoltaic (PV) technology directly with your water heating system. This innovative design offers a cost-effective and highly efficient method to heat water using solar energy, without the need for inverters or batteries.



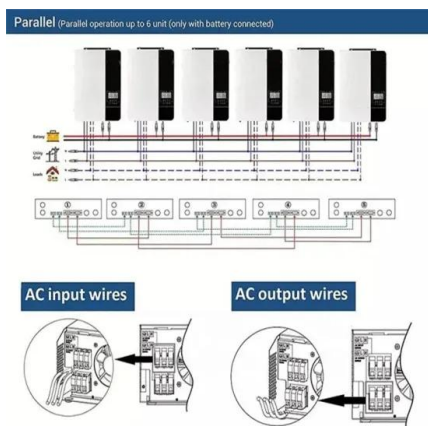
## V2.11 The PowerOptimal Elon®

The average residential price of electricity in South Africa in 2021 (based on a middle-class household in the four largest metropolitan areas) is Refer to the PowerOptimal Elon® 100 Technical Specifications or the full selection guide (available on the downloads page) for ...

## Elon® Range

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provision ...

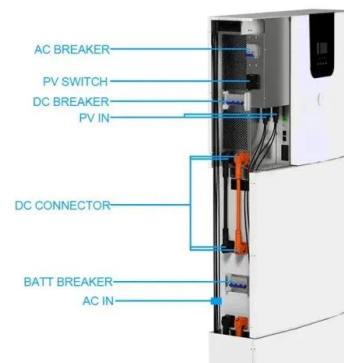


## Elon 100 retrofit -3 panel kit

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## Case Studies - Elon®

PowerOptimal Elon® 100 Case Studies Case Study 1 Case Study 2 Case Study 3 Case Study 4 Payback Period Levelized Cost of Energy Case Study 1 Solar PV array size: 1.575 kWp Family size: 4 people Solar Fraction achieved: 52% of ...



## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://ssab-proiect.eu>